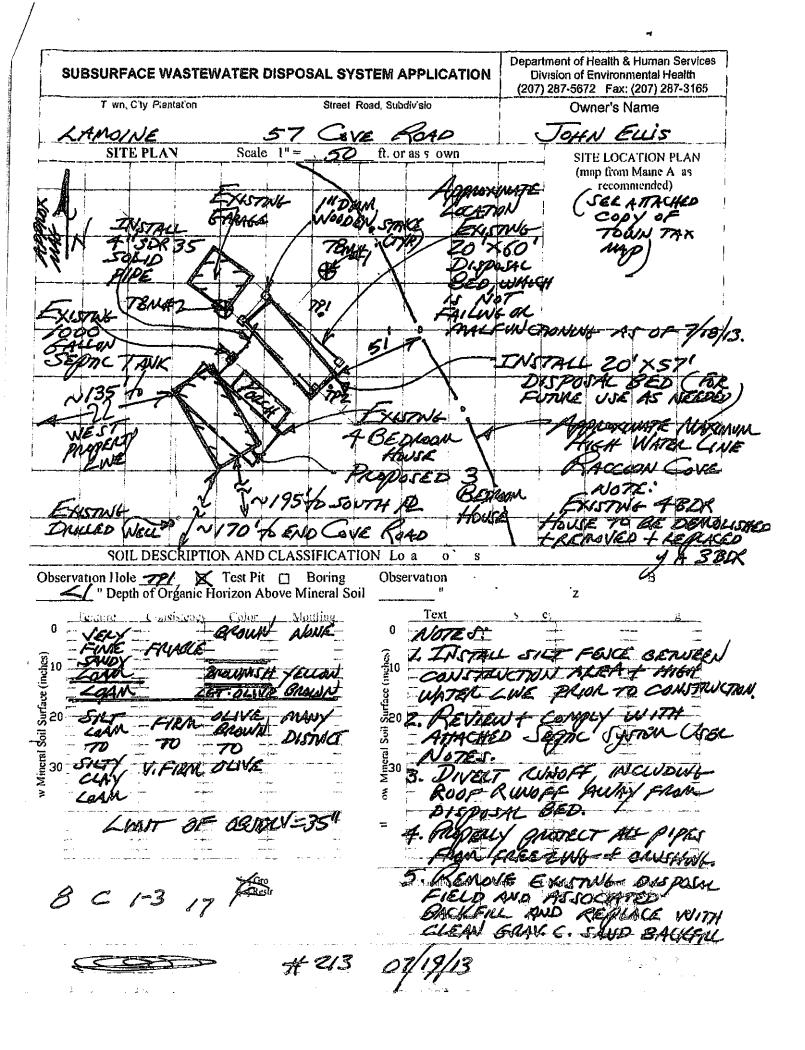
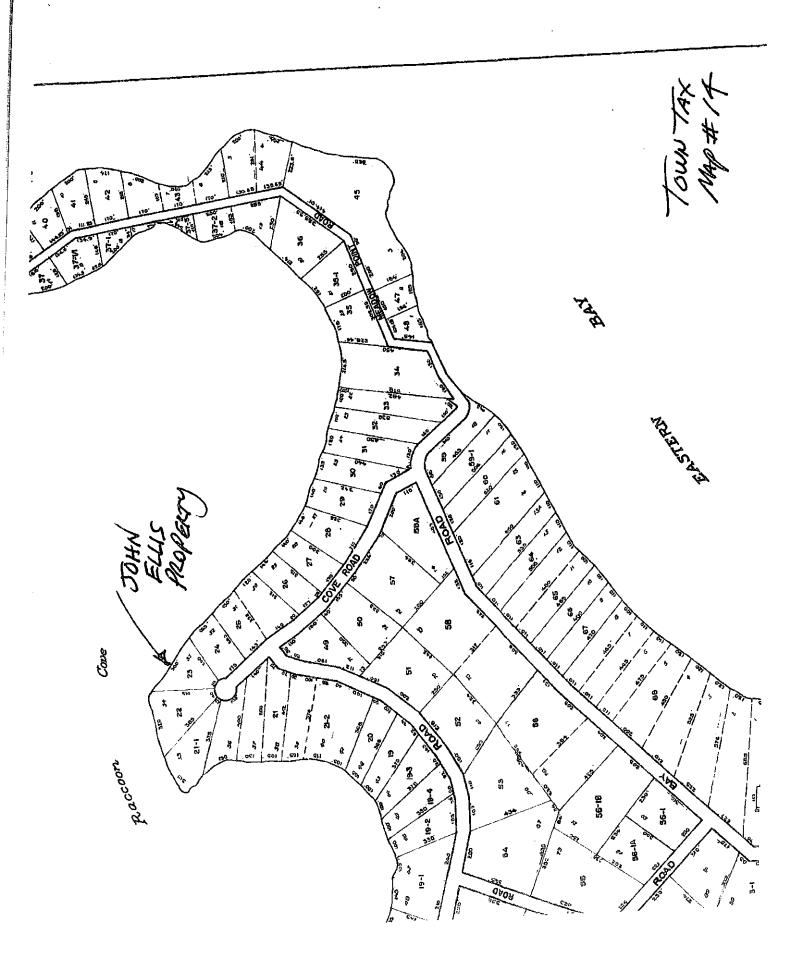
SUBSURFACE WAS	TEWATER DISPOSAL S	YSTEM APPLICA	AJTION		Maine Dept.Health & Human Services Div of Environmental Health , 11 SHS (207) 287-5672 Fax. (207) 287-4172
	Y LOCATION	>> CA	UTION: LPIA		
	OWE	Town/City LAM	OINE	Permit #	1763
Street or Road 57	COVE KOAD	Date Permit Issued			Double Fee Charged [ ]
Subdivision, Lot # TOWN 7	TAX MAP 19, LOTS	22+23 1	MM		LPI # 1040
OWNER/APPLICA	ANT INFORMATION	Local Plumbing Ins	pector Signature		
Name (last first, MI)	HN @ Owner Applicant	The Subsurface V	Magteurater Discour	ent Cuntom shall	not be installed until a
Mailing Address 57	COVE ROAD	Permit is issued by			
Owner/Applicant					system in accordance
Daytime Tel. # (207)	667-5458		Tax Map #	Lot#_	towater Disposit Rules.
OWNER OR APPLICAL	NI STATEMENT		CAUTION: INSPEC	TION REQUIRED	
I state and acknowledge that the inform my knowledge and understand that any and/or Local Plumbing Inspector to den		with the Subsu	ed the installation authoridate Wastewaler Disp	pirzed above and four posał Ru es Application	nd t to be in compliance on (1st) date approved
Signature of Owner or		Loca	Phimbing inspector S	onature	(2nd) date approved
TVDE OF ADDITION		MIT INFORMATION	Ŋ		
TYPE OF APPLICATION  1 First Time System	THIS APPLICATION R	EQUIRES		OSAL SYSTEM mplete Non-engir	
2 Replacement System	2 First Time System Variance		2. Pri	mitive System (gr	aywater & alt. toilet)
Type replaced 20 x 60	a. Local Plumbing Inspector b. State & Local Plumbing In:	Approval		emative Toilet sp n-engineered Tre	atment Tank (only)
Year installed STONE BED	- 193 Replacement System Varian		5 Ho	lding Tank,	galions
3. Expanded System (2015) 3. Expanded System (2015) 3. Expanded System (2015) 6. 25% Expansion	a. Local Plumbing Inspector		7 Sep	parated Laundry	posal Field (only) System
4 Experimental System	4. Minimum Lot Size Variance	, pp/6/41	8. Co	mplete Engineere gineered Treatmo	ed System (2000 gpd or more
5 Seasonal Conversion	5. Seasonal Conversion Permit		10 En	gineered Disposa	al Field (only)
SIZE OF PROPERTY	DISPOSAL SYSTEM TO S	ERVE 2	11. Pro 12 Mis	e-treatment, spec scellaneous Com	ify:
SU. FI	<ul> <li>Single Family Dwelling Unit, N</li> <li>Multiple Family Dwelling, No</li> </ul>	vo. or beurooms.		PE OF WATER S	
SHORELAND ZONING	3 Other:	· · · · · · · · · · · · · · · · · · ·	III. Dniled	Well 2 Dug 1	Well 3. Private
	(specify) Current Use Seasonal BYear	Pound ** Hadayolasad	4 Public		
Existile	DESIGN DETAILS (SY		The second secon		
TREATMENT TANK	DISPOSAL FIELD TYPE &	SIZE GARBAGE DI			ESIGN FLOW
a Regular	3 Proprietary Device		trouble the second second		Ogallons per day
b Low Profile 2 Plastic	a cluster array c Linear	a multi-compar	specify one below:	BASE	DON:
3 Other CAPACITY 1000 GAL	b regular load d H-20 loa			2. Table 4C(	(dwelling unit(s)) other facilities)
	4 Other: SIZE // 40 sq ft. In	c increase in ta		SHOW CAL	CULATIONS for other facilites
SOIL DATA & DESIGN CLASS	DISPOSAL FIELD SIZING	EFFLUENT/EJECT		3 Section 4	G (meter readings
PROFILE CONDITION		1 Not Required	· JATOME		TER METER DATA
at Observation Hole # 77/	1 Medium 2 6 sq ft / gpd	2 May Be Required	<b></b>	LATITU	DE AND LONGITUDE
Depth 17"	2 MediumLarge 3.3 sq. f.t / g 3 Large4 1 sq. ft / gpd	Specify only or engine	eered systems	Lat.	nter of disposal area
of Most Limiting Soil Factor	4. Extra Large5.0 sq ft. / gpd		allons	Lon of g p.s. state n	16 m 45,535W
	/ SITE EVAL	UATOR STATEME	NT /	man 1	3-0721
certify that on 07/18//	3(date) I completed a site eva	aluation on this proper	ty and state that	the data reporte	ad are accurate and
hat the proposed system is in c	ompliance with the State of Mai	ine Subsurface Waste	water Disposal R	Rules (40-144A	CMR 241).
	<b>5</b>	77 213	3 0	7/19/13	
Site Evaluator S	ignature.	SE#		Date /	J.W.Cole
- TEPHEN	1 H. HOWELL	207/89	18-571	4 10	ENG INC
Site Eyaiuator N	ame Printed	~ Telephone N	Number	<b>ट</b> नाहि	Address
lote. Changes to or deviations				<u></u>	Page 1 of 3
-X NOTE; TH	E EXISTNE DI	spasal FIE	CLP IS A	107 FAI	LING AS OF
7/18/13. 7	ALS PLAN IS EN.	TENDED ONLY	AL MI X	E FUTUR	E EVENTUALITY
OF SYSTEM	L FAILURE.	,			LING AS OF E EVENTUALITY





	DISPOSAL SYSTEM APPLICATION	Division of Environmental Health (207) 287-5872 Fax: (207) 287-3165
Town, City, Plantation	Street, Road, Subdivision	Owner's Name
LAMOWE 5	7 COVE KOAD	JOHN ELLIS
SUBSURFACE WASTE	WATER DISPOSAL PLAN	20
- Exercise	25' 33'6	SCA E: 1"= 20 F
GARAGE T	08-7	EX I
	The state of the s	57
SEN TRULES	To FILL	SOUTHER OF T
Most Persons	3	North #3 73
IN SOUTH COINEL OF	1 1	THETALL AUTT
GAMAGE, SAME ELDI	A 1 1 1	SCH ZO PERES
EXUSTING ASTRACT.		(4)0) 5
SEPTIC TAUX	5 7 6	
EXISTUL	2 3	
JEWEL /	120111	THITALL
LWE	1177	DOMES
PLOPUSED		BED
1 3 1	327	
HOUSE &	3 3 1	- INSTAL 9"50035
	CONSTR CTIO ELE ATIONS	ELEVA ON REFERENCE POINT ( TOWA)
Depth of Pill (Upsione)	Elevation — 16" sting Pipe or Prop etary ce — 29" 8	alone Des Nauffeldenstiff  Of Up A FOLLED 30"DIAM  etence Elev o : 4" Moore
Depth of Fill (Downslope) 25 Botto of Disp	tion Pipe or Prop etary ce Refi	erence Elev o :
d. Lime Bernize Disposal	AREA CROSS SECTION	ASHED Scale
SEED + MULLIFIED TO		Horizontel 1° = 10 A.
MEAS:		Vertical 1°= S fL
2. Dismir- 5%	34	E" Compart flax
BUTTON WAR BUTTON	20 70 50 1C S	or street basic
TO BE THE TOTAL	The second	X-CCTA-
TARRENA A	1 July all	TOE NOWEND
MARSON X VECTB-		OF FILL IZ TRANSE OF
SAROE SERON ASSA	20 Exorus	CLANT WASTED
LOG TO THE WAR	DPUE GROUND	TOPE FEET
3 SCARIFA LINE TO		J B De
FOIL SURFACE	Z STUNGLY Z	along Board (1)
CONTRE SAND FILL ENTO L	12 ROZ	and fact Paramo
FLOF SUL UNDER D. BED F	FILLY GARTONS	PABLE 11 A OF GOE
	213 07/19/13	Page 3 of 3
S to Evaluation Segretary	SE 8 Daig	⊞H <b>E-200</b> Rev. ₹/8



Department of Health and Human Services Maine Center for Disease Control and Prevention 286 Water Street # 11 State House Station Augusta, Maine ()4333-0011

> Tel: (207) 287-5672 Fax: (207) 287-4172; TTY: 1-800-606-0215

## SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE REQUEST

This form must accompany an application (HHE-200 Form) for any subsurface wastewater disposal system which requires a variance to provisions of the Subsurface Wastewater Disposal Rules. The Local Plumbing Inspector must not issue a permit for the installation of a subsurface wastewater disposal system requiring a variance from the Department of Health and Human Services until approval has been received from the Department.

GENERAL INFORMATION	Town of LANSWE
Property Owner's Name: JOHN EUS	Tel. No.:
System's Location: 57 Cove ROAZ	>
Property Owner's Address:	Zip Code 07605
e-mail address:	
The subsurface wastewater disposal system design for the subject p the Subsurface Wastewater Disposal Rules. This variance requires	property requires a replacement system variance . first time system variance to local approval local and state approval.
SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluated 1. 5/ 10 MATER BODY 2. 9 76 BUILDING WITHOUT CO. 3. FLORE DISPOSAL	tor Use additional sheets if needed.)  (RACCAIN COVE TABLE SA  SASEMONT (GARAGE)  BLD
owner. If the property owner, after exploring all other alternatives, will opinion feels the variance request is justified and the site limitations of The Evaluator shall list the specific variances necessary plus describ	r disposal by a licensed Site Evaluator, the Evaluator shall so inform the property ishes to request a variance to the Rules, and the Evaluator in his professional can be overcome, he shall document the soil and site conditions on the Application are below the proposed system design and function. The Evaluator shall further povide any other support documentation as required prior to consideration by the
DISTANCE RICHARD SAMES  I. STEPHEN H. HOWELL installed which will completely satisfy all the Rule requirements. In my alternative available; enhances the potential of the site for subsurface SIGNATURE OF SITE EVAL	07/19/13
lave performed their duties in a reasonable and proper manner, and f	owner agent for the owner of the subject property. I understand that the s. Should the proposed system malfunction, I release all concerned provided they it will promptly notify the Local Plumbing Inspector and make any corrections wiedge permission for representatives of the Department to enter onto the property request.

LOCAL PLUMBING INSPECTOR - Approve	at local level	
The local plumbing inspector shall review all it. Michael School applicant does not conform with certain providual ternative for a subsurface wastewater disposal in issue a permit for the system's installation as	rariance requests prior to rendering a decision, the undersigned, have visited the above property and fi lons of the wastewater disposal rules. The variance reques all system on this property. The proposed system ( doe	s does not) conflict with any acquisions the requested variance. I ( will will not)
LOCAL PLUMBING INSPECTOR DATASET		
LOCAL PLUMBING INSPECTOR - Referral to		· · · · · · · · · · · · · · · · · · ·
applicant does not conform with certain provision alternative for a subsurface was towards allernative for a subsurface was towards.	riance requests prior to forwarding to the Division of Environ, the undersigned, have visited the above property and find no of the wastewater disposal rules. The variance request all system on this property. The proposed system ( does see shoreland zone. Therefore, I ( do do not) recomme	d that the variance request submitted by the
LPI Sig	nature	
FOR USE ON THE PER	Date	
FOR USE BY THE DEPARTMENT ONLY	Dare	
FOR USE BY THE DEPARTMENT ONLY  The Department has reviewed the variance(s) a for the Variance denial, are given in the attached	Date	requirements, recommendations, or reasons
The Department has reviewed the variance(s) a for the Variance denial, are given in the attached	nd ( does does not) give its approval. Any additional letter.	requirements, recommendations, or reasons
The Department has reviewed the variance(s) a for the Variance denial, are given in the attached SIGNA	nd ( does does not) give its approval. Any additional letter.	requirements, recommendations, or reasons  DATE
The Department has reviewed the variance(s) a for the Variance denial, are given in the attached SIGNA Votes:  1. Variances for soil conditions the minimum allowed. (See Se	URE OF THE DEPARTMENT  may be approved at the local level as long as to ction 7.B.4 of the Subsurface Wastewater Dispo	DATE  ne total point assessment is at least osal Rules for Municipal Review )
The Department has reviewed the variance(s) a for the Variance denial, are given in the attached SIGNATORS:  1. Variances for soil conditions the minimum allowed. (See See 2. Variances for other than soil submitted to the Department for	nd ( does does not) give its approval. Any additional letter.	parte de total point assessment is at least osal Rules for Municipal Review.)
The Department has reviewed the variance(s) a for the Variance denial, are given in the attached SIGNATOTES:  1. Variances for soil conditions the minimum allowed. (See See 2. Variances for other than soil submitted to the Department for required on these variance required SOIL, SITE AND ENGINEER	URE OF THE DEPARTMENT  may be approved at the local level as long as to ction 7.B.4 of the Subsurface Wastewater Disponditions or soil conditions beyond the limit of	DATE  ne total point assessment is at least osal Rules for Municipal Review.) the LPI's authority are to be eview.) The LPI's signature is
The Department has reviewed the variance(s) a for the Variance denial, are given in the attached SIGNAT SIGNAT SIGNAT To the minimum allowed. (See See 2. Variances for other than soil submitted to the Department for required on these variance required SOIL, SITE AND ENGINEER WITH LIMITING SOIL	TURE OF THE DEPARTMENT  may be approved at the local level as long as to ction 7.B.4 of the Subsurface Wastewater Disponditions or soil conditions beyond the limit of review. (See Section 7.B.3 for Department Resets prior to sending them to the Department.	DATE  ne total point assessment is at least osal Rules for Municipal Review.) the LPI's authority are to be eview.) The LPI's signature is

1000	the state of the s
	CH'AR'AGITERISTIC ROINT (ASSESSMENT)
Soil Profile	ROINTASSESSMETTE
Deput to Groundwater/Restrictive Laver	6.4
Pertain	
Size of Property	
Waterbody Setback	
Water Supply	
Type of Development	
Disposal Area Adjustment	
Vertical Separation Distance	
Additional Treatment	
	TOTAL POINT ASSESSMENT:

Minimum Points (Check One): Outside Shoreland Zone-50 Inside Shoreland Zone-65 Subdivision-65

- 2. Bottom of disposal field: The bottom of each disposal field must be installed at the elevation specified on the permit. It must be maintained to a level grade no greater than 2 inches within 100 feet. Note: The bottom of a disposal field serves as the final stage of the distribution network.
- 3. Avoid unnecessary compaction: Excavation must be carried out in a manner that will avoid unnecessary compaction of both sidewalls and bottom area. Heavy equipment, especially rubber-tired vehicles such as front-end loaders, should not be driven over the exposed bottom of the disposal field. Excavation should be carried out when possible, by a back-hoe operating from outside the perimeter of the previously excavated portions of the disposal fields.
- 4. Reopen smeared or compacted bottom or sidewall surfaces: If any portion of the bottom or sidewalls becomes smeared or compacted, that portion must be scarified to reopen soil pores. Roto-tilling may be necessary to reach the limit of compacted soil depth.
- 5. Weather conditions: Work should be scheduled so that excavated areas are not exposed to rainfall or wind-blown silt. Any loose soil or debris that is washed or otherwise deposited within the excavation must be carefully removed prior to backfilling. Additionally, disposal fields should not be installed in frozen ground or when the ambient air temperature is below freezing, especially if construction will take place over several days.

## D. CONSTRUCTION

- Construction: The installer of the system must make certain that the system and all its component parts are
  installed in conformance with the requirements of these Rules, the plan prepared by the site evaluator, and
  with any special engineering design requirements approved or required by the Department, pursuant to an
  approved variance.
- Soil and backfill material: The installer of the system must make certain that the construction and installation
  are performed without adversely affecting the capacity of the soil or backfill material to adequately absorb or
  treat the septic tank effluent.

## E. BACKFILL PLACEMENT FOR DISPOSAL AREAS INCLUDING FILL EXTENSIONS

- 1. General: Selection and placement of backfill must comply with the requirements of this Section.
- 2. Backfill standards: The backfill material must be gravelly coarse sand which meets the requirements of Table 11A or 11(E)(2)(a) below, as approved by the Department or LPI:

TABLE 11A Backfill Textural Gradation

Sieve Size	Percent Passing by Weight
3 inches	100
#4	75-100
#10	50-100
#60	10-50
#100	2-20
#200	2-8
Clay Fraction	0-2

(a) Field determination of backfill: Due to the difficulty of obtaining sieve analyses and the variability of backfill material, the following procedures can be used in the field to determine the suitability of backfill material. The backfill is suitable if the soil texture is loose single grains, the individual sand grains can be readily seen (similar to salt or sugar grains) and felt, and the following conditions are observed: If squeezed in the hand when dry, it will fall apart when the pressure is released but has enough fines to stain the lines in the palm of the hand; or, if squeezed when moist, it will form a cast that will crumble when

## SEPTIC SYSTEM USER NOTES

- 1. This septic system has been designed to meet requirements of the State of Maine Subsurface Wastewater Disposal Rules, 10-144A CMR 241. Because site evaluators are not notified when local ordinances are enacted which exceed state requirements, it is the septic system owners responsibility to ensure that this septic system design (HHE-200 form) is in compliance with applicable local ordinances. This can be done by contacting your local plumbing inspector and asking about local ordinances which differ from those required in the Rules.
- 2. It is the septic system owner's responsibility to obtain any local, state, or federal permit(s) that may be required for the installation of this septic system (work within or adjacent to a wetland may require a state and/or federal permit). Contact the Maine Department of Environmental Protection at 287-2111 and the Army Corps of Engineers at 623-8367 if you have any questions.
- 3. The use of a garbage grinder on a septic system is not recommended. Depending on use patterns, they can contribute a significant amount of particulate matter and grease to the system. Excessive use may result in premature failure. If a garbage grinder is to be used additional septic tank capacity, a multi compartment septic tank is required, and/or more frequent septic tank pumping is recommended.
- 4. For new construction, it is recommended that the septic system owner install low volume toilets (1 1/2 gallons per flush or less) and other flow reducing fixtures such as low volume shower heads and faucets to minimize water consumption. A reduction in water usage will generally result in extended life of your septic system.
- 5. It is the septic system owner's responsibility to limit water consumption and wastewater generation so that the septic system design capacity (design flow on the HHE-200 form) is not exceeded on any day. Activities which generate large amounts of wastewater should be spread out over several days where possible. Excessive use of a septic system on any day can cause the system to fail even though your use, averaged over a week or month, is below design volume.
- 6. Do not connect floor or roof drains to a septic system. Your septic system is not designed to handle this water and it will likely cause premature failure.
- Do not dispose of backwash from water softeners or water treatment devices in your septic system. Large amounts of water can be generated from these devices which can overload a septic system.
- 8. Do not dispose of any hazardous or toxic substances in a septic system such as paint thinner paints, varnishes, photographic solutions, pesticides, insecticides, organic solvents or degreasers and drain openers. Septic systems depend on living organisms to function properly. Toxic or hazardous material can, in effect, "kill" the system and are a threat to pollution of surface or groundwater resources. Instead of using a commercial degreaser or drain opener, which an be toxic, use one of the following:

A plunger or mechanical snake; or A.

Pour one handful of baking soda and 1/2 cup of white vinegar down the drainpipe 8. and cover tightly for one minute. Repeat as necessary; or

- C. Pour 1/2 cup salt and 1/2 cup baking soda down the drain followed by 6 cups of boiling water. Let sit for several hours or overnight, then flush with water.
- 9. Do not dispose of any inert or non-biodegradable substances into your septic system such as disposable dispers, cat box litter, coffee grounds, cigarette filters, sanitary napkins, facial tissues and wet strength paper towels.
- 10. Do not dispose of large quantities of fats or grease into your septic system unless an external grease trap has been designed for that purpose. Generally, an internal grease trap is inadequate to handle excessive amounts of grease or fat.
- 11. Do not add any septic tank cleaner or additive to your septic system to improve its function or protong its useful operating life (this includes yeast, horse manure or commercial products). No effective product or material is recognized by State authorities and, in fact, some of these products can actually cause your septic system to fall.
- 12. Maintain your septic system by regularly having the septic tank pumped. Some biological breakdown of solids and grease occurs in septic tanks but the rate of accumulation virtually always exceeds the rate of biologic breakdown. If your septic tank is not pumped out often enough, solids and greases may build up to the point where they enter your disposal areas. Once this material reaches the disposal area, it will clog the soil surface and likely cause premature failure.
- 13. We recommend having your septic tank pumped or inspected after one year of use. The pumper can advise you of how often you need to have the septic tank pumped based on what he finds at this inspection (typically a septic tank will need to be pumped every two to five years). Keep in mind that you will need to adjust pumping frequency to coincide with changes in the way you use your system. The more your septic system is used, the more frequently that the septic tank should be pumped.
- 14. Do not drive over or store heavy materials on any part of your septic system unless it is specifically designed to handle heavy loads. Otherwise, crushed components may be the result and the system may fall.
- 15. Divert all surface water away from the septic tank and disposal area. Roof areas which contribute runoff water to the septic system site should have gutters installed to divert that water to another location.
- 16. PLEASE If you have any questions about your septic system or how to use it, call me (848-5714) and ask for advice. You can also call the State Agency responsible for regulating septic systems, the plumbing program in the Division of Health Engineering, at 287-5689.

F decommendatible & Filtergrianes duc